

* SWBAT compare 4 different ways of measuring temperature

Sep 6-2:31 PM

Welcome!!!

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WBL ALC Physics
Thursday 19 December 2013

* Sign in

* Pick up:

- worksheet
- yesterday's worksheet (if you weren't here)
- slip of paper (for later)

Centering...

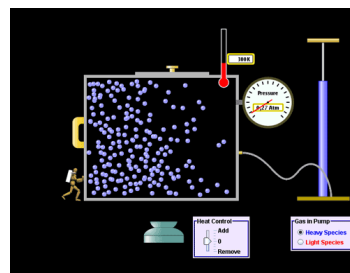
Opening question + Yesterday's Worksheet

Remember our box of molecules? What happens if we leave the ice / cooling on?

Slows down \rightarrow almost stops
Thermometer \rightarrow \emptyset K

Eureka 19: Expansion & Contraction

<http://www.youtube.com/watch?v=rMg1bmF5BVo>



Sep 7-7:04 AM

ARBITRARY / RANDOM

How do we get thermometer scales?

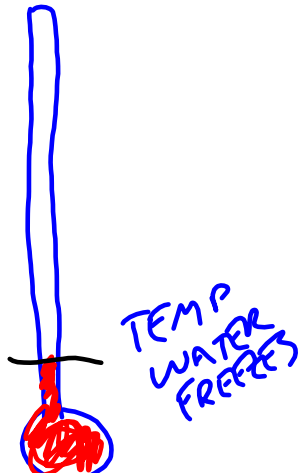
FAHRENHEIT 32°F

CELSIUS 0°C - FREEZES } -100
 100°C - BOILS } DEGREES

GREBE 622°G

WILLIAMS 300°W

KELVIN 0 K \rightarrow MOTION STOPS
 DEGREES SAME SIZE AS $^{\circ}$, BUT SLID DOWN



Worksheet Demo at back of room

Dec 21-7:28 AM

Eureka 20: Measuring Temperature

What did we find out?

<http://www.youtube.com/watch?v=nCQVTTKu0Xc>

DEMO: 1 HAND IN COLD WATER

1 HAND IN HOT WATER

BOTH INTO MIDDLE BOWL,
BUT FEEL DIFFERENT TEMPS!

\rightarrow HANDS / BRAIN GOOD AT
 DETECTING DIFFERENCES,
 GOOD AT COMPARING.

\rightarrow HANDS NOT RELIABLE FOR
 DETERMINING TEMPERATURE.

Dec 14-7:13 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

CP homework: What is the difference between F and C degrees? Which do you prefer? Why?

Your can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. In which temperature scale does zero really mean the coldest something could get?

- A. Fahrenheit
- B. Celsius
- ☒ C. Kelvin

2. Water freezes at

- A. 0 degrees Celsius
- B. 32 degrees Fahrenheit
- ☒ C. Both
- D. Neither

3. True or ☒ false Your hands are a reliable way to judge temperature.

Dec 2-7:55 AM